


FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE  <b>Information Disclosure          Statement by Applicant</b>  (Use several sheets if necessary)	ATTY. DOCKET NO. PST-100US	SERIAL NO 10/061,001	
	APPLICANT Sau Lan Tang Staats		
	FILING DATE January 30, 2002	GROUP Unknown	

## U.S. PATENT DOCUMENTS

Exmr Initial	Document Number	Date	Name	Class	Sub Class	Filing Date
JS	4,908,112	03/1990	Pace	204	299 R	
	5,126,022	06/1992	Soane et al.	204	180.1	
	5,141,548	08/1992	Chervet	65	108	
	5,413,513	05/1995	Horne et al.	445	24	
	5,571,410	11/1996	Swedberg et al.	210	198.2	
	5,635,358	06/1997	Wilding et al.	435	7.2	
	5,726,026	03/1998	Wilding et al.	435	7.21	
	5,757,482	05/1998	Fuchs et al.	356	246	
	5,842,787	12/1998	Kopf-Sill et al.	366	340	
	5,858,188	01/1999	Soane et al.	204	454	
	5,885,470	03/1999	Parce et al.	216	33	
	5,957,579	09/1999	Kopf-Sill et al.	366	340	
	6,001,231	12/1999	Kopf-Sill	204	454	
	6,042,709	03/2000	Parce et al.	204	453	
	6,068,752	05/2000	Dubrow et al.	204	604	
	6,074,725	06/2000	Kennedy	428	188	
	6,123,798	09/2000	Gandhi et al.	156	292	
	6,132,579	10/2000	Edwards et al.	204	451	
	6,176,962 B1	01/2001	Soane et al.	156	292	
	6,210,986 B1	04/2001	Arnold et al.	438	42	

## FOREIGN PATENT DOCUMENTS


Exmr Initial	Document Number	Date	Country	Class	Sub Class	Translation YES   NO
JS						

## OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

JS	1)	"Microchannel Electrophoretic Separations of DNA in Injection-Molded Plastic Substrates," by Randy M. McCormick et al.; <i>Analytical Chemistry</i> , Vol. 69, No. 14; July 15, 1997; pps. 2626-2630
	2)	"Overview of Microelectromechanical Systems and Design Processes," by William C. Tang; <i>ACM, Inc.</i> ; 1997; pps. 670-673
	3)	"Integrated Chemical Analysis on Plastic Microfluidic Devices," by Travis D. Boone et al.; <i>Solid-State Sensor and Actuator Workshop</i> ; June 8-11, 1998; pps. 87-92

## U.S. PATENT DOCUMENTS

Examiner 	Date Considered 7/12/04
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Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	PST-100US	10/061,001
	APPLICANT Sau Lan Tang Staats	
	FILING DATE	GROUP
	January 30, 2002	Unknown

Exmr Initial	Document Number	Date	Name	Class	Sub Class	Filing Date

## FOREIGN PATENT DOCUMENTS

Exmr Initial	Document Number	Date	Country	Class	Sub Class	Trans- action YES/NO

## OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

93	4)	"Rapid Tooling Using SU-8 for Injection Molding Microfluidic Components," by Thayne L. Edwards et al. <i>Microfluidic Devices and Systems III</i> , Proceedings of SPIE Vol. 4177; 2000, pps. 82-89
	5)	"Biochips: Miniaturization and Integration for Microanalysis," by Andrew Broderick; <i>Emerging Technologies</i> ; 1999, pps. 1-12
	6)	"Development of Methods for On-Line Chemical Detection with Liquid-Phase Microchemical Reactors Using Conventional and Unconventional Techniques," by Rebecca J. Jackman, et al.; <i>Micro Total Analysis Systems 2000</i> , pps. 155-158
	7)	"Polymer Micro-Structures: Prototyping, Low-Cost Mass Fabrication and Analytical Applications," by J. S. Rossier et al.; <i>Micro Total Analysis Systems 2000</i> , pps. 159-162
	8)	"Microfabrication Technology for Chemical and Biochemical Microprocessors," by Eric T. Lagally et al.; <i>Micro Total Analysis Systems 2000</i> , pps. 217-220
	9)	"Capillary Electrophoresis with Direct and Contactless Conductivity Detection on a Polymer Microchip," by G. Weber, et al.; <i>Micro Total Analysis Systems 2000</i> , pps. 383-386
	10)	"Miniaturized Capillary Electrophoresis System with Integrated Conductivity Detector," by Richard Schasfoort et al.; <i>Micro Total Analysis Systems 2000</i> , pps 391-394
	11)	"Microfabricated CE Chips with Optical Slit for UV Absorption Detection," by T. Nishimoto et al.; <i>Micro Total Analysis Systems 2000</i> , pps 395-398
	12)	"High-Throughput SNP Scoring in a Disposable Microfabricated CD Device," by Ann Eckersten et al.; <i>Micro Total Analysis Systems 2000</i> , pps 521-523
	13)	"Diamond Microchip Capillary Chromatography of Proteins," by H. Björkman et al.; <i>Micro Total Analysis 2000</i> , pps 187-190
	14)	"Micromachining of Capillary Electrophoresis Injectors and Separators on Glass Chips and Evaluation of Flow at Capillary Intersections," by Zhonghui H. Fan and D. Jed Harrison; <i>Analytical Chemistry</i> , Vol. 66, No. 1; January 1, 1994; pps 177-184

## U.S. PATENT DOCUMENTS

Examiner	Date Considered
<i>[Signature]</i>	7/12/04

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Exmr Initial	Document Number	Date	Name	Class	Sub Class	Filing Date


## FOREIGN PATENT DOCUMENTS

Exmr Initial	Document Number	Date	Country	Class	Sub Class	Translation YES   NO

## OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

JS	15)	"High-Speed DNA Genotyping Using Microfabricated Capillary Array Electrophoresis Chips," by Adam T. Woolley et al.; <i>Analytical Chemistry</i> , Vol. 69, No. 11; June 1, 1997; pps 2181-2186
JS	16)	"Integrated Capillary Electrophoresis on Flexible Silicone Microdevices: Analysis of DNA Restriction Fragments and Detection of Single DNA Molecules on Microchips," by Carlo S. Effenhauser et al.; <i>Analytical Chemistry</i> , Vol. 69, No. 1; September 1, 1997; pps 3451-3457
JS	17)	"High-Speed Microchip Electrophoresis: Exploring the Limits," by Stephen C. Jacobson et al; <i>Solid-State Sensor and Actuator Workshop</i> ; June 8-11, 1998; pps 93-96

Examiner 	Date Considered 7/12/04
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FORM PTO-1449

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SHEET 1 OF 1  
(REV. 7-80)**LIST OF REFERENCES CITED BY APPLICANT**

(Use Several Sheets if Necessary)

DOCKET NO.: 4194/1L483-US2 SERIAL NO: 10/061,001  
APPLICANT: Sau Lan Tang STAATS FILING DATE: January 30, 2002  
CONFIRMATION NO:

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
JS	1. 4,756,884	7/12/88	Hillman et al.	—	—	7/1/86
	2. 5,486,335	1/23/96	Wilding et al.	—	—	4/24/95
	3. 5,992,820	11/30/99	Fare et al.	—	—	11/19/97
	4. 5,900,130	5/4/99	Benvegnu et al.	—	—	6/18/97

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**FOREIGN PATENT DOCUMENTS**

*EXAMINER INITIALS	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
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JS

**OTHER REFERENCES**

(INCLUDING AUTHOR, TITLE DATE, PERTINENT PAGES, ETC.)

\*EXAMINER  
INITIALS

JS

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DATE CONSIDERED:

7/12/04

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PTO/SB/08A (10-01)

Approved for use through 10/31/2002 OMB 0651-0031



U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	10/061,001		
		Filing Date	January 30, 2002		
		First Named Inventor	Sau Lan T. Staats		
		Art Unit	N/A		
		Examiner Name	Not Yet Assigned		
Sheet	1	of	1	Attorney Docket Number	4194/1L483US2

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U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
9/1	AA	6,137,501-B1	10-24-2000	Wen et al.	
	AB	6,136,212-B1	10-24-2000	Mastrangelo et al.	
	AC	6,068,751-B1	05-30-2000	Neukermans	
9/2	AD	6,042,709-B1	03-28-2000	Parce et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.*	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T*
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
						

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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See attached Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

OTHER- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
9/1	CA	International Search Report.	

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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	7/12/04
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